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# COMPARING CIVIL-MILITARY RESPONSES TO THE COVID CRISIS: OBSERVATIONS FOR THE FUTURE

## Summary

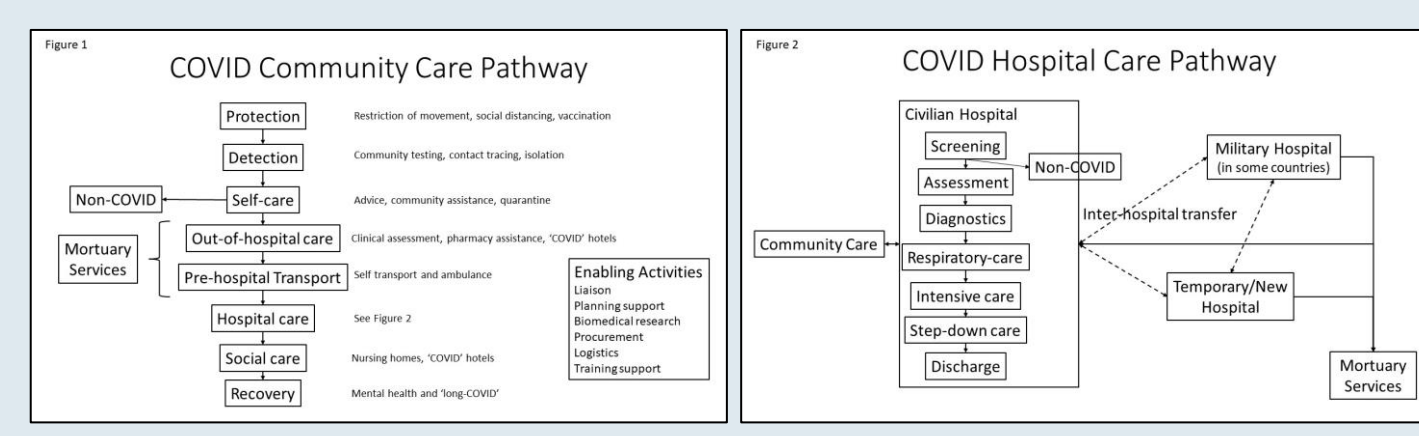
The COVID pandemic has been the biggest threat to the health and security of the global population so far in the 21<sup>st</sup> Century. This caused a significant impact on military activities and required substantial changes to military health systems. Furthermore, armed forces played a major role in general support to governments' responses to the crisis and made noticeable contributions to supporting national health and social care systems. This poster presents a typology for categorising these military activities based on multiple international case examples, by reviewing a range of sources including academic publications, official reports and presentations at conferences. This typology could be used to analyse the impact of COVID on military capability and the breadth of activities undertaken by an individual country's armed forces in support of national crisis response. This would enable a detailed comparison between countries to facilitate lessons learned and the residual military requirements to mitigate future global health emergencies.

## Introduction

The **COVID crisis** has had significant impacts on the **health and wider security** of our nations and the global community. All governments mobilised their national resources in support of their crisis response, including their armed forces. At the same time, it was necessary to continue essential **military tasks in order to prevent the health crisis becoming a wider security crisis**. This represented an unprecedented level of **civil-military cooperation**. The Centre for Conflict and Health Research has undertaken various projects over the past 2 years to examine the military contribution the response to the COVID pandemic in order to identify lessons for national resilience. This poster presents our **typology for military activities during the COVID response**. This typology provides a structure to compare civil-military relations between countries and provide insights for a playbook for the military response to future health emergencies.

## Methods

We previously published a conceptual typology for comparing military activities to support the health response during the COVID crisis based on our work during 2020 and 2021 (1). This poster extends the typology across 4 high-level groups: **maintaining military capability; protecting the health of the armed forces and beneficiaries of military health systems; generic military assistance to the national health system response; specific military assistance to the national health and social care response**. Each group was deconstructed to create a subordinate list of military activities. The national health and social care response was analysed using a **'care pathway approach'** by considering all the care services that a citizen might receive for COVID from **protection through to recovery** from an infection. This covers both **community care services** (Figure 1) and **hospital services** (Figure 2). To validate the typology, we searched for information on the roles of a country's armed forces during the COVID crisis using sources that aggregated primary data from an authoritative range of references. The sources included our previous analyses, academic papers, official reports, and briefings by senior military representatives at conferences or other public activities (listed at the QR Code at the end of this poster). Each mention of an activity is shown as a country flag in Tables 1-4.



LTG(Rtd) **Martin Bricknell** CB PhD, *Professor in Conflict, Health and Military Medicine*  
*Centre for Conflict & Health Research, Department of War Studies, King's College London, London WC2R 2LS*

## Results and Discussion

We found sources that covered military activities from the following countries: Australia, Bangladesh, Belgium, Brazil, Canada, People's Republic of China, Spain, France, United Kingdom, Italy, India, Indonesia, Israel, Republic of Korea, Nigeria, Pakistan, Russian Federation, Sweden, Taiwan, Tunisia, United States. Overall, there is a record of at least one country undertaking an activity listed in the tables except for a small number of activities under the grouping 'specific military assistance to the national health and social care response' in Table 4. The tables show many activities that were undertaken by several countries. This provides confidence that these categories record actual activities. These tables are not an authoritative list of every activity undertaken by an individual country because no source was an assured compilation of formal records from a national Ministry of Defence.

Common activities across many countries include: impact on military activities, technical advice to the executive, health communication, COVID testing and vaccination for beneficiaries, military liaison and embedded personnel to crisis management, repatriation of citizens, movement of materiel, support to COVID testing, support to vaccination, support to medical evacuation, personnel augmentation to civilian hospitals. The following activities have fewer citations that might indicate significant differences between countries: environmental decontamination, border security, internal security, medical research, out-of-hospital support to communities, use of field hospitals, use of hospital ships, use of temporary medical facilities.

Future work will consider the volume of each military activity as a proportion of the size of the armed forces and as a proportion of the size of the overall government response. We will also consider how these activities evolved across the duration of the pandemic.

## Conclusions

This typology covers all military activities in support of the national response to the COVID crisis in the countries studied. It is suggested that international comparisons of the role of the armed forces in the response to the COVID pandemic would be worthwhile to inform global and national policy. Whilst the recently published WHO guidance document on a national civil-military health collaboration framework for strengthening health emergency preparedness provides valuable high-level suggestions (2), it might benefit from practical case-examples and lessons from individual countries. Such comparisons would enable more detailed recommendations on policy choices on the role of national armed forces as part of the mitigation of health threats, including advising on those interventions that seemed to have limited success.

Military medical capabilities that are likely to be needed to respond to future health emergencies include: augmentation to ambulance services, augmentation to civilian hospitals, treatment of civilian patients in military hospitals, support to nursing and social care services, support to isolated or overseas communities, non-specialist military assistance to national testing and vaccination campaigns.

Activities that may not be suitable for the response to future health emergencies include: building temporary hospitals, environmental decontamination by area spraying, use of military resources for intelligence collection or strategic communication to national citizens.

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The full poster and sources are available at the following QR Code:

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## Review of national briefings given at Military Medical Conferences:

- 2020 Australasian Military Medical Association Conference 25-27 Nov 2020 – GBR, USA.
- 2020 AMSUS Virtual Meeting 06-10 Dec 2020 – USA.
- 2021 Pan-Magreb ICMM Regional Conference 09-10 Feb 2021 – TUN.
- 2022 AMSUS Virtual Meeting 22 – 25 Feb 2022 - CAN, FRA, GBR.
- 2022 ICMM World Congress on Military Medicine 5-9 Sep 2022 – miscellaneous countries